Jet Propulsion Laboratory
California Institute of Technology

Mars 2020 Project

Engineering Assessment Summary

Mars 2020 Landing Site Workshop #2

Mars 2020 Project

August 4-6, 2015

Summary

#	Site	w/o TRN	w/ TRN	Surface
1	NE Syrtis			
2	Nili Fossae			
3	Nili Carbonate			N/A
4	Jezero Crater			
5A	Holden Crater (MSL)			
5B	Holden Crater (Land-On)			
6	McLaughlin Crater			
7	SW Melas			
8	Mawrth Vallis			
9	East Margaritifer			

EDL Key

= in family with MSL risk

= somewhat out of family with MSL risk

= out of family with MSL risk

Surface Key

= best chance of meeting mission performance requirements

= some challenges to meeting mission performance requirements

= significant challenges to meeting mission performance requirements

Summary

- TRN is needed to safely access many of the top sites
  - If TRN is not baselined, project will use the science priority list from this workshop and attempt to identify additional non-TRN sites
  - Project will also work to improve high priority “maybe” non-TRN sites

- Surface productivity should be a factor in site selection and our assessment capability is maturing

- Mars Program is not imposing any site selection constraints for future missions